

Notice of Allowability

Application No.

09/995,291

Examiner

TUAN A PHAM

Applicant(s)

FRIESEN ET AL.

Art Unit

2643

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 11/27/2004.
2. ☒ The allowed claim(s) is/are 1-9.
3. ☒ The drawings filed on 27 November 2001 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date 11/20/02, 02/27/02
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____.
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

RFB
REXFORD BARNIE
PRIMARY EXAMINER

DETAILED ACTION

REASONS FOR ALLOWANCE

1. Claims 1-9 are allowed over the prior art of record.

2. The following is an examiner's statement of reasons for allowance:

Ito et al. (U.S. Patent No.: 6,690,915) teaches a boost system for enhancing communication between a cellular telephone and a network base station comprising (see figure 1, booster 100):

an antenna (see figure 1, antenna 132);

the booster amplifier having a receive side, a transmit side and a gain controller (i.e., operation circuit 112)(see figure 1, receive side from base station to mobile station, transmit side from mobile station to base station, operation circuit 112, col.12, ln.24-32, col.14, ln.30-340, the receive side having a gain circuit through which signals received from the base station are passed to the cradle and a cellular telephone coupled thereto (see figure 1, gain circuit 108, col.11, ln.5-10), the transmit side having detector which transmit a signal indicative of the cellular telephone's output power before it is boosted (see figure 1, detector 144, 154, col.11, ln.5-14), a variable gain element controlled by the gain controller for controlling the output power (see figure 1, col.12, ln.24-31), at least one amplifier and detector which transmit a signal indicative of the output power after it is boosted to the gain controller (see figure 1, amplifier 116, detector 154, col.11,

ln.5-15), the gain controller capable of processing the signals to control the variable gain element on the receive side and the variable gain element on the transmit side (see figure 1, col.12, ln.19-31).

Park (U.S. Patent No. 5,109,541) teaches a low noise amplifier, a first directional coupler and a second directional coupler (see figure 1, LNA 11, coupler 13, coupler 18, col.1, ln.42-60).

Toda (U.S. Patent No. 5,659,594) teaches a cradle that couples a cellular telephone handset to the power boost system and booster amplifier (i.e., transceiver) electrically coupled to the cradle and the antenna (see figure 3, VHC antenna, transceiver 23, cradle 22-I, handset 28, col.4, ln.1-31).

Kawano et al. (U.S. Patent No. 4,972,346) teaches a buffer amplifier.

However, the prior art made of record fails to teach or suggest, in combination, of the arrangement of a booster amplifier circuit include all the element as specified in the independent claims 1, 2, 5, and 9 and further limitations of their respective dependent claims 3-4, 6-8.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Tuan A. Pham** whose telephone number is (703) 305-4987 and E-mail address is: **tuan.pham@USPTO.GOV**.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mr. Curtis Kuntz, can be reached on (703) 305-4708 and

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Any response to this action should be mailed to:

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Washington, D.C. 20231

Or faxed to:

(703) 872-9306

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal

Drive, Arlington VA, Sixth Floor (Receptionist, tel. No. 703-305-4700).

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Date: December 22, 2004

Examiner

Tuan Pham

RBarnie
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